

SAFETY AIRCRAFT FLIGHT EQUIPMENT

BACKGROUND OF INVENTION

Field of the Invention

The present invention is a computerized security system used to
5 maintain the safe operation of aircraft. This computer system utilizes and
interconnects to conventional systems and equipment to track aircraft, providing an
Anti-Crash System with built in anti-tampering functions. If the flight is interrupted,
the Anti-Crash System further comprises a means to remotely control the aircraft
and to detect and avoid aircraft, buildings and geographics.

10 In the wake of the terrorist events occurring in the United States on
September 11, 2001, our government, the airlines, other institutions, both
nationally and abroad, and the traveling public recognize the need for a security
system to ensure the safety of air travel. Conventionally, aircraft are tracked by
means of radar or other signals emitted from the aircraft to receivers at airports, air
15 traffic control centers, and military bases. On September 11, 2001, the signal was
tampered with by human intervention, and the planes were lost until the moments
of impact with the Twin Towers, the Pentagon and the field in Pennsylvania.
Therefore, an onboard Anti-Crash System that provides an On-Demand-monitoring
device is needed to constantly track the position of the aircraft during flight.

20 On September 11, 2001, if the air control centers had been able to
take control of the planes remotely or had an Anti-Crash System installed onboard
the aircraft, the controllers could have steered the planes away from the Pentagon,
the Twin Towers, and could have avoided the field crash in Pennsylvania.

During normal operation, a pilot is charged with setting the controls
25 according to the filed flight plan before departure. The pilot is to maintain the
course of the flight plan and only to deviate under the direction of the air traffic
controllers. Under certain circumstances, the flight plan is deviated due to traffic or

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